



DOCKET NO.: L0501.70040US00

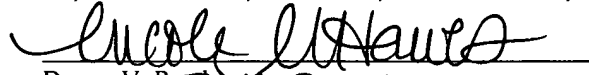
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Thomas P. Allen et al.
Serial No: 10/634,215
Confirmation. No.: 6836
Filed: August 5, 2003
For: REAL-TIME RADIATION SENSOR CALIBRATION

Examiner: Not yet assigned
Art Unit: 2859

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 7th day of April, 2004.


Donna V. Reed NICOLE M. HAWES

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

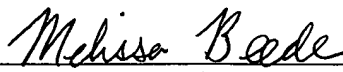
Transmitted herewith are the following documents:

- ☒ Information Disclosure Statement
- ☒ Copy of Co-pending Application Serial No. 09/051,180
- ☒ Copy of Co-pending Application Serial No. 09/844,714
- ☒ PTO Form 1449 with cited references
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,
Thomas P. Allen et al., Applicant

By: 
Melissa A. Beede, Reg. No.: 54,986
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Boston, Massachusetts 02210-2211
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Docket No. L0501.70040US00
Date: April 7, 2004
xNDDx



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Donna V. Reed NICOLE M HAWES

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. §1.114.

No fee or certification is required.

Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The applicant would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor(s)</u>
09/051,180	09/14/98	Charles M. Marshall, et al.
09/844,714	04/27/01	Neal R. Butler

Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,
Thomas P. Allen et al., Applicant

By: Melissa Beede
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Docket No. L0501.70040US00
Date: April 7, 2004
XNDDX

FORM PTO-1449/A and B (Modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

APR 9 2004

APPLICATION NO.: 10/634,215

ATTY. DOCKET NO.:
L00501.70040US00

FILING DATE: August 5, 2003

APPLICANT: Thomas P. Allen et al.

GROUP ART UNIT: 2859

EXAMINER: Unassigned

U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	1	3,621,258		Dreitzler	11/16/1971
	2	3,665,190		Kotera, et al.	05/23/1972
	3	3,891,843		Parkin	06/24/1975
	4	3,961,325		Kendall, et al.	06/01/1976
	5	3,971,015		Hornak	07/20/1976
	6	3,973,146		Arnold, et al.	08/03/1976
	7	4,176,398		Rider	11/27/1979
	8	4,276,474		Crawford	06/30/1981
	9	4,298,887		Rode	11/03/1981
	10	4,369,463		Anastassiou, et al.	01/18/1983
	11	4,380,755		Endlicher, et al.	04/19/1983
	12	4,513,390		Walter, et al.	04/23/1985
	13	4,587,426		Munier, et al.	05/06/1986
	14	4,589,024		Koch, et al.	05/13/1986
	15	4,609,824		Munier, et al.	09/02/1986
	16	4,628,364		Koch	12/09/1986
	17	4,652,766		Wang, et al.	03/24/1987
	18	4,654,622		Foss, et al.	03/31/1987
	19	4,659,928		Tew	04/21/1987
	20	4,679,068		Lillquist, et al.	07/07/1987
	21	4,684,812		Tew, et al.	08/04/1987
	22	4,686,373		Tew, et al.	08/11/1987
	23	4,739,409		Baumeister	04/19/1988
	24	4,745,278		Hanson	05/17/1988
	25	4,752,694		Hegel, Jr., et al.	06/21/1988
	26	4,754,139		Ennulat, et al.	06/28/1988
	27	4,792,661		Schmidtchen, et al.	12/20/1988
	28	4,792,681		Hanson	12/20/1988
	29	4,808,822		Manning, et al.	02/28/1989
	30	4,831,257		McClelland et al.	05/16/1989
	31	4,879,598		Seto	11/07/1989
	32	4,902,895		Hanson	02/20/1990
	33	4,922,116		Grinberg, et al.	05/01/1990
	34	4,935,629		Livermore, et al.	06/19/1990
	35	4,956,686		Borrello, et al.	09/11/1990
	36	4,967,082		Cooke, et al.	10/30/1990

FORM PTO-1449/A and B (Modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

APPLICATION NO.: 10/634,215

ATTY. DOCKET NO.:
L00501.70040US00

FILING DATE: August 5, 2003

APPLICANT: Thomas P. Allen et al.

GROUP ART UNIT: 2859

EXAMINER: Unassigned

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U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	37	4,991,109		Crookshanks	02/05/1991
	38	4,991,127		Crookshanks	02/05/1991
	39	5,010,251		Grinberg, et al.	04/23/1991
	40	5,021,663		Hornbeck	06/04/1991
	41	5,045,685		Wall	09/03/1991
	42	5,084,704		Parrish	01/28/1992
	43	5,129,595		Thiede, et al.	07/14/1992
	44	5,134,474		Hanafusa, et al.	07/28/1992
	45	5,166,810		Sorimachi, et al.	11/24/1992
	46	5,175,802		Crookshanks	12/29/1992
	47	5,185,883		Ianni, et al.	02/09/1993
	48	5,200,623		Cannata	04/06/1993
	49	5,201,582		Lesniak	04/13/1993
	50	5,204,761		Gusmano	04/20/1993
	51	5,216,510		Amingual, et al.	06/01/1993
	52	5,268,576		Dudley	12/07/1993
	53	5,288,649		Keenan	02/22/1994
	53	5,300,915		Higashi, et al.	04/05/1994
	54	5,326,726		Tsang, et al.	07/05/1994
	55	5,367,167		Keenan	11/22/1994
	56	5,369,280		Liddiard	11/29/1994
	57	5,389,788		Grinberg, et al.	02/14/1995
	58	5,399,889		Miyake, et al.	03/21/1995
	59	5,420,419		Wood	05/30/1995
	60	5,442,176		Eckel, Jr., et al.	08/15/1995
	61	5,446,284		Butler, et al.	08/29/1995
	62	5,486,698		Hanson, et al.	01/23/1996
	63	5,489,776		Lung	02/06/1996
	64	5,512,748		Hanson	04/30/1996
	65	5,515,285		Neal R. Butler	02/04/2003
	66	5,532,484		Sweetser, et al.	07/02/1996
	67	5,541,412		Tanaka, et al.	07/30/1996
	68	5,554,849		Gates	09/10/1996
	69	5,559,332		Meissner, et al.	09/24/1996
	70	5,563,405		Woolaway, II, et al.	10/08/1996
	71	5,572,029		Walker, et al.	11/05/1996

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/634,215		ATTY. DOCKET NO.: L00501.70040US00	
		FILING DATE: August 5, 2003			
		APPLICANT: Thomas P. Allen et al.			
		GROUP ART UNIT: 2859		EXAMINER: Unassigned	
	3		4		

U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	72	5,578,826		Walker, et al.	11/26/1996
	73	5,591,973		Masarik, et al.	01/07/1997
	74	5,600,369		Cazaux, et al.	02/04/1997
	75	5,650,622		Ookawa, et al.	07/22/1997
	76	5,656,848		Beratan, et al.	08/12/1997
	77	5,682,035		Gallagher et al.	10/28/1997
	78	5,698,852		Tanaka, et al.	12/16/1997
	79	5,756,999		Parrish, et al.	05/26/1998
	80	5,760,398		Blackwell, et al.	06/02/1998
	81	5,763,885		Murphy, et al.	06/09/1998
	82	5,811,815		Marshall, et al.	09/22/1998
	83	5,925,875		Frey, Robert D.	07/20/1999
	84	6,028,309		Parrish, et al.	02/22/2000
	85	6,157,404		Marshall, et al.	12/05/2000
	86	6,225,937	B1	Butler	05/01/2001
	87	6,249,002	B1	Butler	06/19/2001
	88	6,274,869	B1	Butler	08/14/2001
	89	6,433,333	B1	Howard, Philip E.	08/13/2002
	90	US-2001/0045516 A1		Emanuel, et al.	01/1999
	91	US-2001/0040216 A1		Knauth, et al.	03/2001

FOREIGN PATENT DOCUMENTS

Examiner's Initials#	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
	92		EP-0 534 769 A2		Texas Instruments, Inc.	03/31/1993	
	93		FR-2 554 999-A1		Thomson-CSF	05/17/1985	
	94		GB-2 202 702-A		Philips Electronic and Associated Ind.	09/28/1988	
	95		WO 90/16082		Hughes Aircraft Company	12/27/1990	
	96		WO 92/06561		E.I. Du Pont De Nemours and Co.	04/16/1992	
	97		WO 93/09414		Honeywell, Inc.	05/13/1993	
	98		WO 93/18492		The Commonwealth of Australia	09/16/1993	
	99		WO 93/26050		Honeywell, Inc.	12/23/1993	
	100		WO 94/00950		Honeywell, Inc.	01/06/1994	
	101		WO 98/35212		Indigo Systems Corporation	08/13/1998	

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/634,215		ATTY. DOCKET NO.: L00501.70040US00	
		FILING DATE: August 5, 2003			
		APPLICANT: Thomas P. Allen et al.			
		GROUP ART UNIT: 2859		EXAMINER: Unassigned	
	4		4		

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	
	102	N. Butler et al., "Low Cost Uncooled Microbolometer Imaging System for Dual Use," July 12, 1995, Presented at SPIE, San Diego, CA		
	103	N. Butler et al., "Advanced Microbolometer Digital Output Focal Plane Array," July 1996, Lockheed Martin IR Imaging Systems Internal Government Research Report		
	104	C. Marshall et al., "Uncooled Microbolometer Imaging Sensors", July 1996, Lockheed Martin IR Imaging Systems Internal Government Research Report		
	105	W.T. Holman, "A Compact Low Noise Operational Amplifier for a 1.2 μ m Digital CMOS Technology," June 30, 1995, Pages 710-714, IEEE Journal of Solid-State Circuits, Vol. 30, No. 6		
	106	O.B. Milgrome et al., "A 12 Bit Analog to Digital Converter for VLSI Applications in Nuclear Science," 1992, Pages 771-775, IEEE Transactions on Nuclear Science, Vol. 39, No. 4		
	107	O.B. Milgrome et al., "A Monolithic CMOS 16 Channel, 12 Bit, 10 Microsecond Analog to Digital Integrated Circuit," August 1993, Pages 721-723, IEEE Transactions on Nuclear Science, Vol. 40, No. 4		
	108	Abstract of foreign patent no. EPA-0324925, 07/26/89, Mitsubishi Denki		
	109	Abstract of foreign patent no. JP 57-124726, 08/03/82, Mitsubishi Denki		
	110	Abstract of foreign patent no. JP 3-179977, 08/05/91, Mitsubishi Elec. Corp.		
	111	Abstract of foreign patent no. JP 6-86174, 03/25/94, NEC Corp.		
	112	Abstract of foreign patent no. JP 3-289777, 12/19/91, NEC Corp.		

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

A copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 10/634,215, filed August 5, 2003, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]